

Converting Colors

XYZ(49.8776, 58.6285, 88.9233)

Have a look what the booklet for
XYZ(49.8776, 58.6285, 88.9233)
contains.

XYZ(49.7357, 58.4537, 88.7821)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.7357, 58.4537,
88.7821)**

Conversions

Conversions Part 1

Format	Color
Hex	8ED3ED
RGB	142, 211, 237
RGB Percent	56%, 83%, 93%
CMY	0.4431, 0.1725, 0.0706
CMYK	0.40, 0.11, 0.00, 0.07
HSL	196°, 73%, 74%
HSV	196°, 40%, 93%
XYZ	49.7357, 58.4537, 88.7821
YIQ	193.3330, -49.4700, -6.5420

Conversions

Conversions Part 2

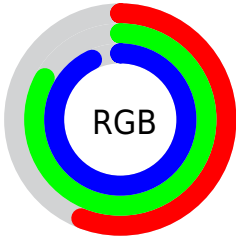
Format	Color
RYB	142, 182, 237
Decimal	9360365
CIELab	80.99, -15.15, -19.62
CIElCh	81, 24.788, 232.333
Yxy	58.4537, 0.2525, 0.2968
Android (android.graphics.Color)	4287550445 (0xFF8ED3ED)
YUV	193.3330, 21.5278, -45.0190
Hunter-Lab	76.4550, -17.6780, -15.3310

Details

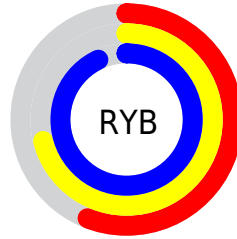
The XYZ color **49.7357, 58.4537, 88.7821** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.8114, 47.9641, 32.0149**, and the grayscale version is **50.7841, 53.4288, 58.1840**.

A 20% lighter version of the original color is **77.3632, 90.8821, 108.0723**, and **24.0667, 29.0916, 48.0628** is the 20% darker color. If you saturate the color by 10%, you get **44.5150, 53.4195, 88.0866**, and if you desaturate by 10%, it is **55.8896, 64.0681, 89.5425**.

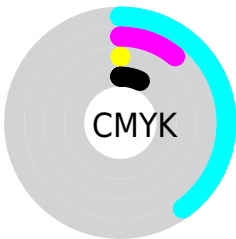
Distribution



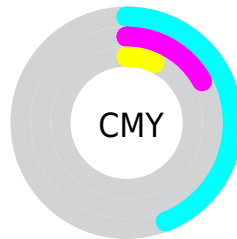
- Red (56%)
- Green (83%)
- Blue (93%)



- Red (56%)
- Yellow (71%)
- Blue (93%)



- Cyan (40%)
- Magenta (11%)
- Yellow (0%)
- Black (7%)



- Cyan (44%)
- Magenta (17%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7357, 58.4537, 88.7821 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 49.7357, 58.4537, 88.7821 by changing the saturation by 10% instead.

■ 49.7357, 58.4537,
88.7821

■ 49.7357, 58.4537,
88.7821

376.1006,
418.8744, 544.5286

■ 35.4204, 42.1735,
66.4030

■ 88.9773, 102.5833,
147.5662

■ 24.1549, 29.2372,
48.1410

■ 114.6343,
131.2014, 184.8083

■ 15.5739, 19.2603,
33.5778

144.8026,
164.7010, 227.8417

■ 9.3121, 11.8585,
22.2947

179.8475,
203.4664, 277.0851

■ 5.0040, 6.6474,
13.8732

220.1344,
247.8821, 332.9569

■ 2.2844, 3.2426,
7.8948

266.0287,

■ 0.7867, 1.2597,

298.3324, 395.8757

3.9409

317.8956,
355.2017, 466.2601

■ 0.0000, 0.1096,
1.5930

■ 0.0000, 0.0000,
0.2858

■ 49.7357, 58.4537,
88.7821

■ 49.7357, 58.4537,
88.7821

■ 44.5150, 53.4195,
88.0866

■ 55.8896, 64.0681,
89.5425

■ 40.1658, 48.9288,
87.4490

■ 63.0222, 70.2834,
90.3662

■ 36.6277, 44.9504,
86.8676

■ 71.1828, 77.1273,
91.2571

■ 33.8294, 41.4465,
86.3388

■ 80.4153, 84.6236,
92.2174

■ 31.6860, 38.3721,
85.8583

■ 88.7068, 91.7356,
93.1532

■ 30.0656, 35.6732,
85.4228

■ 90.6869, 95.6959,
93.8132

■ 92.2863, 98.8945,
94.3463

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.9093, 58.4537, 75.0184



49.7357, 58.4537, 88.7821



54.2505, 58.4537, 96.0189

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.7357, 58.4537, 88.7821



65.9396, 58.4537, 67.4972



51.8871, 58.4537, 40.8916

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49.7357, 58.4537, 88.7821



53.8114, 47.9641, 32.0149

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



56.8874, 58.4537, 39.5149



49.7357, 58.4537, 88.7821



65.2104, 58.4537, 53.4855

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.7357, 58.4537, 88.7821



63.7543, 58.4537, 82.5551



61.8189, 58.4537, 43.7679



48.0970, 58.4537, 47.8703

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.7357, 58.4537, 88.7821



57.6963, 58.4537, 95.4934



61.8189, 58.4537, 43.7679



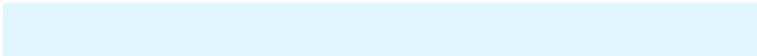
53.4742, 58.4537, 39.8069

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49.7375, 58.4560, 88.7835



82.0610, 89.4241, 107.5432



48.4470, 69.1228, 47.5115



17.2857, 18.9085, 22.9886



0.0000, 0.0000, 0.0000



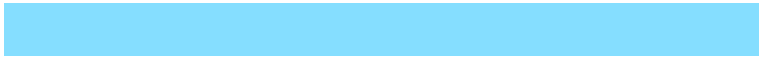
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.7375, 58.4560, 88.7835



53.6492, 64.1528, 104.1629



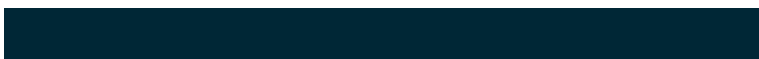
39.7484, 38.4777, 85.4538



15.1489, 16.3842, 19.2863



16.5295, 19.7060, 46.6754



1.3774, 1.7063, 3.6916

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



56.3575, 42.0555, 66.7775



62.6911, 43.1730, 73.7873



64.0669, 68.4750, 35.4333



15.5287, 15.2393, 18.0694



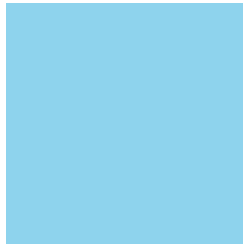
23.1986, 11.4821, 22.6451



1.8617, 0.9177, 1.9893

Previews

White Background



This preview shows how the XYZ color 49.7357, 58.4537, 88.7821 looks on a white background.

Color Contrast Check

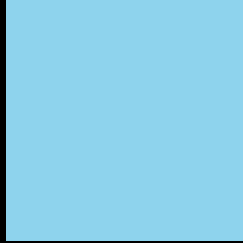
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 49.7357, 58.4537, 88.7821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7357, 58.4537, 88.7821

Background



This preview shows how black text looks on a background with the XYZ color 49.7357, 58.4537, 88.7821.



This preview shows how white text looks on a background with the XYZ color 49.7357, 58.4537,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

49.7357, 58.4537, 88.7821

Protanopia

57.0720, 58.1061, 82.3363

Deuteranopia

59.2875, 58.0505, 90.5182



Tritanopia

48.5016, 58.3196, 82.8292

Trichromacy



Original Color

49.7357, 58.4537, 88.7821

Protanomaly

53.8259, 57.7682, 84.6574

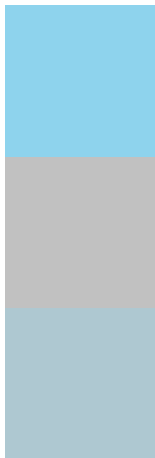
Deuteranomaly

55.0570, 57.5890, 89.8753

Tritanomaly

49.0935, 58.5759, 85.0627

Monochromacy



Original Color

49.7357, 58.4537, 88.7821

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.6185, 54.9107, 68.3052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7357, 58.4537, 88.7821 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(142, 211, 237)` looks like.

```
.text, #text, p{  
  color:rgb(142, 211, 237)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(142, 211, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 211, 237) }
```

Border

The CSS property to change the border of an element to XYZ 49.7357, 58.4537, 88.7821 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(142, 211, 237) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(142, 211, 237) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(142, 211, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 211, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 211, 237);  
box-shadow:4px 4px 4px 4px rgb(142, 211,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7357, 58.4537, 88.7821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 211, 237) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(142,  
211, 237) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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